

In the Claims

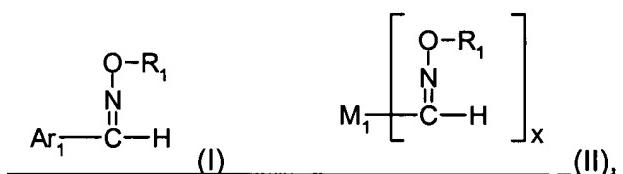
1-3 (cancelled)

4. (currently amended): ~~Photosensitive composition according to claim 1, wherein component (B) is a compound of formula I or II~~

Alkaline developable, photosensitive composition comprising

(A) at least one alkaline soluble binder resin, prepolymer or monomer component;

(B) at least one compound of formula I or II



wherein

$\text{R}_1$  is  $\text{C}_2\text{-}\text{C}_6$  alkanoyl or  $\text{C}_2\text{-}\text{C}_5$  alkoxy carbonyl; or  $\text{R}_1$  is benzoyl which is unsubstituted or substituted by one or more  $\text{C}_1\text{-}\text{C}_6$  alkyl or halogen;

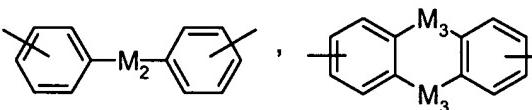
$\text{Ar}_1$  is phenyl or naphthyl,

each of these radicals is substituted 1 to 5 times by halogen,  $\text{C}_1\text{-}\text{C}_{20}$  alkyl, benzyl or  $\text{C}_1\text{-}\text{C}_{20}$  alkanoyl; or said phenyl or naphthyl is substituted by phenyl or benzoyl, each of which optionally is substituted by one or more  $\text{OR}_3$ ,  $\text{SR}_4$  or  $\text{NR}_5\text{R}_6$ ; or said phenyl or naphthyl is substituted by  $\text{C}_2\text{-}\text{C}_{12}$  alkoxy carbonyl optionally interrupted by one or more -O- and/or optionally substituted by one or more OH; or said phenyl or naphthyl is substituted by  $\text{OR}_3$ ,  $\text{SR}_4$  or  $\text{NR}_5\text{R}_6$ , wherein the substituents  $\text{OR}_3$ ,  $\text{SR}_4$  or  $\text{NR}_5\text{R}_6$  optionally form 5- or 6-membered rings via the radicals  $\text{R}_3$ ,  $\text{R}_4$ ,  $\text{R}_5$  and/or  $\text{R}_6$  with further substituents on the phenyl or naphthyl ring or with one of the carbon atoms of the phenyl or naphthyl ring; or  $\text{Ar}_1$  is furyl, pyrrolyl, thienyl, benzofuranyl, indolyl, benzothiophenyl or pyridyl, provided that  $\text{R}_1$  is acetyl; wherein each of these radicals is unsubstituted or substituted 1 to 4 times by halogen,  $\text{C}_1\text{-}\text{C}_{20}$  alkyl, benzyl,  $\text{C}_3\text{-}\text{C}_8$  cycloalkyl, phenyl,  $\text{C}_1\text{-}\text{C}_{20}$  alkanoyl, benzoyl,  $\text{C}_2\text{-}\text{C}_{12}$  alkoxy carbonyl, phenoxy carbonyl,  $\text{OR}_3$ ,  $\text{SR}_4$ ,  $\text{SOR}_4$ ,  $\text{SO}_2\text{R}_4$  or  $\text{NR}_5\text{R}_6$ ;

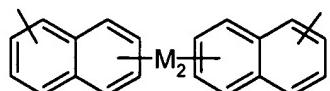
$\text{x}$  is 2;



**M<sub>1</sub>** is a group



or



, each of which optionally is substituted 1 to 4 times by halogen, C<sub>1</sub>-

C<sub>12</sub>alkyl, benzyl, OR<sub>3</sub>, SR<sub>4</sub> or NR<sub>5</sub>R<sub>6</sub>; or by phenyl which is unsubstituted or substituted by one or more OR<sub>3</sub>, SR<sub>4</sub> or NR<sub>5</sub>R<sub>6</sub>; or by benzoyl which is unsubstituted or substituted by one or more OR<sub>3</sub>, SR<sub>4</sub> or NR<sub>5</sub>R<sub>6</sub>; or by C<sub>1</sub>-C<sub>12</sub>alkanoyl; or by C<sub>2</sub>-C<sub>12</sub>alkoxycarbonyl optionally interrupted by one or more -O- and/or optionally substituted by one or more hydroxyl groups;

**M<sub>2</sub>** is a direct bond, -O-, -S-, -SS-, -NR<sub>3</sub>-, -(CO)-, C<sub>1</sub>-C<sub>12</sub>alkylene, phenylene, -(CO)O-(C<sub>2</sub>-C<sub>12</sub>alkylene)-O(CO)-, -(CO)O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>-(CO)- or -(CO)-(C<sub>2</sub>-C<sub>12</sub>alkylene)-(CO)-; or M<sub>2</sub> is C<sub>4</sub>-C<sub>12</sub>alkylene or C<sub>4</sub>-C<sub>12</sub>alkylenedioxy-, each of which is optionally interrupted by 1 to 5 -O-, -S- and/or -NR<sub>3</sub>;

**M<sub>3</sub>** is a direct bond, -CH<sub>2</sub>-, -O-, -S-, -NR<sub>3</sub>- or -(CO)-;

**R<sub>3</sub>** is hydrogen or C<sub>1</sub>-C<sub>20</sub>alkyl; or R<sub>3</sub> is C<sub>2</sub>-C<sub>12</sub>alkyl which is substituted by -OH, -SH, -O(CO)-C<sub>1</sub>-C<sub>4</sub>alkyl, -O(CO)-phenyl, -(CO)O(C<sub>1</sub>-C<sub>4</sub>alkyl), -N(C<sub>1</sub>-C<sub>4</sub>alkyl)<sub>2</sub>, -N(CH<sub>2</sub>CH<sub>2</sub>OH)<sub>2</sub>, -N[CH<sub>2</sub>CH<sub>2</sub>O-(CO)-C<sub>1</sub>-C<sub>4</sub>alkyl]<sub>2</sub> or morpholinyl; or R<sub>3</sub> is C<sub>2</sub>-C<sub>12</sub>alkyl which is interrupted by one or more -O-; or R<sub>3</sub> is -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n+1</sub>H, -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>(CO)-C<sub>1</sub>-C<sub>8</sub>alkyl, phenyl-C<sub>1</sub>-C<sub>3</sub>alkyl, C<sub>2</sub>-C<sub>8</sub>alkanoyl, C<sub>3</sub>-C<sub>12</sub>alkenyl or C<sub>3</sub>-C<sub>6</sub>alkenoyl; or R<sub>3</sub> is benzoyl which is unsubstituted or substituted by one or more C<sub>1</sub>-C<sub>6</sub>alkyl, halogen or C<sub>1</sub>-C<sub>4</sub>alkoxy; or R<sub>3</sub> is phenyl or naphthyl each of which is unsubstituted or substituted by halogen, C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>1</sub>-C<sub>12</sub>alkoxy, phenyl-C<sub>1</sub>-C<sub>3</sub>alkoxy, phenoxy, C<sub>1</sub>-C<sub>12</sub>alkylsulfanyl, phenylsulfanyl, -N(C<sub>1</sub>-C<sub>12</sub>alkyl)<sub>2</sub>, diphenylamino or -(CO)R<sub>7</sub>;

**n** is 1 to 20;

**R<sub>4</sub>** is hydrogen, C<sub>1</sub>-C<sub>20</sub>alkyl, C<sub>3</sub>-C<sub>12</sub>alkenyl, phenyl-C<sub>1</sub>-C<sub>3</sub>alkyl; C<sub>2</sub>-C<sub>8</sub>alkyl which is substituted by -OH, -SH, -O(CO)-C<sub>1</sub>-C<sub>4</sub>alkyl, -O(CO)-phenyl or -(CO)O(C<sub>1</sub>-C<sub>4</sub>alkyl); or R<sub>4</sub> is C<sub>2</sub>-C<sub>12</sub>alkyl which is interrupted by one or more -O- or -S-; or R<sub>4</sub> is -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n+1</sub>H, -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>(CO)-C<sub>1</sub>-C<sub>8</sub>alkyl, C<sub>2</sub>-C<sub>8</sub>alkanoyl, C<sub>3</sub>-C<sub>12</sub>alkenyl, C<sub>3</sub>-C<sub>6</sub>alkenoyl; or R<sub>4</sub> is phenyl or naphthyl each of which is unsubstituted or substituted by halogen, C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>1</sub>-C<sub>12</sub>alkoxy or -(CO)R<sub>7</sub>;

**R<sub>5</sub>** and **R<sub>6</sub>** independently of each other are hydrogen, C<sub>1</sub>-C<sub>20</sub>alkyl, C<sub>2</sub>-C<sub>4</sub>hydroxyalkyl, C<sub>2</sub>-C<sub>10</sub>alkoxyalkyl, phenyl-C<sub>1</sub>-C<sub>3</sub>alkyl, C<sub>1</sub>-C<sub>4</sub>alkanoyl, C<sub>3</sub>-C<sub>12</sub>alkenoyl, benzoyl; or are phenyl or naphthyl;

each of which is unsubstituted or substituted by C<sub>1</sub>-C<sub>12</sub>alkyl or C<sub>1</sub>-C<sub>12</sub>alkoxy; or R<sub>5</sub> and R<sub>6</sub> together are C<sub>2</sub>-C<sub>6</sub>alkylene optionally interrupted by -O- or -NR<sub>3</sub>- and/or optionally substituted by hydroxyl, C<sub>1</sub>-C<sub>4</sub>alkoxy, C<sub>2</sub>-C<sub>4</sub>alkanoyloxy or benzyloxy; and

R<sub>7</sub> is hydrogen, C<sub>1</sub>-C<sub>20</sub>alkyl; or is C<sub>2</sub>-C<sub>8</sub>alkyl which is substituted by halogen, phenyl, -OH, -SH, C<sub>3</sub>-C<sub>6</sub>alkenoxy, -O(CO)-C<sub>1</sub>-C<sub>4</sub>alkyl, -O(CO)-phenyl or -(CO)O(C<sub>1</sub>-C<sub>4</sub>alkyl); or R<sub>7</sub> is C<sub>2</sub>-C<sub>12</sub>alkyl which is interrupted by one or more -O-; or R<sub>7</sub> is -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n+1</sub>H, -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>(CO)-C<sub>1</sub>-C<sub>8</sub>alkyl or C<sub>3</sub>-C<sub>12</sub>alkenyl; or is phenyl optionally substituted by one or more halogen, C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>1</sub>-C<sub>12</sub>alkoxy, phenoxy, C<sub>1</sub>-C<sub>12</sub>alkylsulfanyl, phenylsulfanyl, -N(C<sub>1</sub>-C<sub>12</sub>alkyl)<sub>2</sub>, or diphenylamino;  
and

(C) a photopolymerizable compound.

**5. (previously presented):** Photosensitive composition according to claim 1, wherein component (B) is a compound of formula I or II, wherein

R<sub>1</sub> is C<sub>2</sub>-C<sub>4</sub>alkanoyl;

Ar<sub>1</sub> is phenyl or naphthyl, each of which is substituted by halogen, C<sub>1</sub>-C<sub>8</sub>alkyl, NR<sub>5</sub>R<sub>6</sub> or OR<sub>3</sub>, wherein the substituents OR<sub>3</sub>, optionally form 5- or 6-membered rings via the radicals R<sub>3</sub> with further substituents on the phenyl or naphthyl ring; or provided that R<sub>1</sub> is acetyl, Ar<sub>1</sub> is 2-furyl, 2-pyrrolyl, 2-thienyl, 3-indolyl;



M<sub>1</sub> is ;

x is 2;

R<sub>3</sub> is C<sub>1</sub>-C<sub>20</sub>alkyl; or R<sub>3</sub> is C<sub>2</sub>-C<sub>12</sub>alkyl which is substituted by OH, -O(CO)-C<sub>1</sub>-C<sub>4</sub>alkyl, -N(C<sub>1</sub>-C<sub>4</sub>alkyl)<sub>2</sub>, -N(CH<sub>2</sub>CH<sub>2</sub>OH)<sub>2</sub>, -N[CH<sub>2</sub>CH<sub>2</sub>O-(CO)-C<sub>1</sub>-C<sub>4</sub>alkyl or morpholinyl; or R<sub>3</sub> is C<sub>2</sub>-C<sub>12</sub>alkyl which is interrupted by one or more -O-; or R<sub>3</sub> is -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n+1</sub>H or -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>(CO)-C<sub>1</sub>-C<sub>4</sub>alkyl;

n is 1 to 3; and

R<sub>5</sub> and R<sub>6</sub> are C<sub>1</sub>-C<sub>4</sub>alkyl.

**6.(original):** Photosensitive composition according to claim 1, wherein the oligomer or polymer (A) is a binder polymer.

**7. (original):** Photosensitive composition according to claim 6, wherein the binder polymer is a

copolymer of (meth)acrylate and (meth)acrylic acid, or a resin obtained by the reaction of a saturated or unsaturated polybasic acid anhydride with a product of the reaction of an epoxy compound and an unsaturated monocarboxylic acid, or is an addition product formed between a carboxyl group-containing resin and an unsaturated compound having an  $\alpha,\beta$ -unsaturated double bond and an epoxy group.

8. (original): Photosensitive composition according to claim 1, which additionally to the components (A), (B) and (C) comprises at least one photosensitizer compound (D).

9. (previously presented): Photosensitive composition according to claim 8, comprising 100 parts by weight of component (A), 0.015 to 120 parts by weight of component (B), 5 to 500 parts by weight of component (C) and 0.015 to 120 parts by weight of component (D).

10.(original): Photosensitive composition according to claim 1, comprising further additives (E), which are selected from the group consisting of epoxy compounds, thermal polymerization inhibitors, inorganic fillers, colourants, epoxy curing agents, amines, chain transfer agents, thermal radical initiators, photoreducible dyes, optical brighteners, thickeners, antifoaming agents and leveling agents, in particular inorganic fillers.

11. (original): Photosensitive composition according to claim 1, additionally comprising an epoxy compound which contains at least two epoxy groups in the molecule.

12. (original): Solder resist comprising a composition according to claim 1.

13. (original): Color filter resist comprising a composition according to claim 1.

14. (original): Process for the photopolymerization of compounds containing ethylenically unsaturated double bonds, which comprises irradiating a composition according to claim 1 with electromagnetic radiation in the range from 150 to 600 nm.

15. (original): Coated substrate which is coated on at least one surface with a composition according to claim 1.

16. (original): Process for the production of relief images, wherein a coated substrate according to claim 15 is subjected to imagewise exposure with electromagnetic radiation in the range from 150 to 600 nm, and then the unexposed portions are removed with a solvent.

17. (original): A color filter prepared by providing red, green and blue (RGB) color elements and, optionally a black matrix, all comprising a photosensitive composition according to claim 1 and a pigment on a transparent substrate and providing a transparent electrode either on the surface of the substrate or on the surface of the color filter layer.

18. (original): Process for forming images, wherein

- (1) the components of a composition according to claim 1 are mixed,
- (2) the resulting composition is applied to the substrate,
- (3) the solvent, if present, is evaporated, at elevated temperature,
- (4) the coated substrate is patternwise exposed to irradiation,
- (5) the irradiated sample is developed with aqueous alkaline solution, thereby removing the uncured areas and
- (6) the sample is thermally cured.

19. (new): Photosensitive composition according to claim 4, wherein compound (A) is an oligomeric or polymeric compound.

20. (new): Photosensitive composition according to claim 4, wherein the photopolymerizable compound (C) is a liquid.